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L Number	Hits	Search Text	DB	Time stamp
1	51	multiplexed adj communication adj network	USPAT; US-PGPUB	2004/06/22 16:21
2	29	(multiplexed adj communication adj network) and @ad<20000302	USPAT; US-PGPUB	2004/06/22 16:26
3	9	((multiplexed adj communication adj network) and @ad<20000302) and (auto\$9)	USPAT; US-PGPUB	2004/06/22 16:23
4	4	((multiplexed adj communication adj network) and @ad<20000302) and (automotive automobile vehicle)	USPAT; US-PGPUB	2004/06/22 16:24
5	37	((access adj point)adapter) and (automotive automobile vehicle) and protocol and (daughtercard daughterboard (daughter adj (card board)))	USPAT; US-PGPUB	2004/06/22 16:26
6	4	((access adj point)adapter) and (automotive automobile vehicle) and protocol and (daughtercard daughterboard (daughter adj (card board))) and multiplex	USPAT; US-PGPUB	2004/06/22 16:26
7	22	((access adj point)adapter) and (automotive automobile vehicle) and protocol and (daughtercard daughterboard (daughter adj (card board))) and multiplex\$3	USPAT; US-PGPUB	2004/06/22 16:26
8	14	(((access adj point)adapter) and (automotive automobile vehicle) and protocol and (daughtercard daughterboard (daughter adj (card board))) and multiplex\$3) and @ad<20000302	USPAT; US-PGPUB	2004/06/22 16:31
9	0	6592822.uref.	USPAT; US-PGPUB	2004/06/22 16:31
10	4	6418324.uref.	USPAT; US-PGPUB	2004/06/22 16:31
11	26	5659680.uref.	USPAT; US-PGPUB	2004/06/22 16:31
12	30	6418324.uref. 5659680.uref.	USPAT; US-PGPUB	2004/06/22 16:31
13	19	(6418324.uref. 5659680.uref.) and @ad<20000302	USPAT; US-PGPUB	2004/06/22 16:31
14	8	((6418324.uref. 5659680.uref.) and @ad<20000302) and (car truck van automotive automobile auto vehicle)	USPAT; US-PGPUB	2004/06/22 16:35
15	0	6691183.uref.	USPAT; US-PGPUB	2004/06/22 16:34
16	3	6189057.uref.	USPAT; US-PGPUB	2004/06/22 16:34
17	3	6189057.uref. and (car truck van automotive automobile auto vehicle)	USPAT; US-PGPUB	2004/06/22 16:38
18	1	6396164.uref.	USPAT; US-PGPUB	2004/06/22 16:38

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Search strategy

No.	Database	Search term	Info added since	Results
2	INZZ	adapter	unrestricted	2608
8	INZZ	infrared	unrestricted	196166
9	INZZ	2 AND 8	unrestricted	23

Saved: 22-Jun-2004, 20:14:05 CET

IEEE1394 S200 infrared wireless adapter.

Accession number & update

6536155, B2000-04-6260C-056; 20000301.

Author(s)

Matsuda-J-I; Nyu-T; Domon-W; Yamazaki-S.

Author affiliation

C&C Media Res Labs, NEC Corp, Kawasaki, Japan.

Source

1999 Digest of Technical Papers. International Conference on Consumer Electronics, Los Angeles, CA, USA, 22-24 June 1999.

Sponsors: Consumer Electron. Soc.

In: p.288-9, 1999.

ISSN

ISBN: 0-7803-5123-1, CCCC: 0 7803 5123 1/99/ (\$10.00).

Publication year

1999.

Language

EN.

Publication type

CPP Conference Paper.

Treatment codes

N New Development; P Practical.

Abstract

We have demonstrated the world's first IEEE1394 S200 *infrared* (IR) wireless *adapter* and verified its operation. Our adapters enable us to communicate using low cost devices with sufficient eye-safety margin. Further, we have indicated a design approach to reach a transmission distance of 10 m while keeping an easy alignment property. (4 refs).

Descriptors

data-communication; IEEE-standards; multimedia-communication; optical-communication-equipment; system-buses; telecommunication-standards; transceivers.

Keywords

IEEE1394 S200 *infrared* wireless *adapter*; operation; low cost devices; design approach; transmission distance; easy alignment property; multimedia data transmission; intra room networking; 250 Mbit s.

Classification codes

B6260C (Optical communication equipment).

B6210R (Multimedia communications).

Numerical indexing

bit rate: 2.5E+08 bit/s.

Copyright statement

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Infrared communication interface of ISDN public telephone.

Accession number & update

6109574, B9901-6220F-001; 981208.

Author(s)

Saito-R; Kawakita-T; Yasuda-T.

Author affiliation

NTT Human Interface Labs, Japan.

Source

NTT-R-D (Japan), vol.47, no.9, p.925-30, 1998. , Published: NTT.

CODEN

NTTDEC.

ISSN

ISSN: 0915-2326.

Availability

SICI: 0915-2326(1998)47:9L:925:ICII; 1-O.

Publication year

1998.

Language

JA.

Publication type

J Journal Paper.

Treatment codes

A Application; P Practical.

Abstract

We have developed the world's first ISDN public telephone with an *infrared* communication interface which provides a simple link to a portable terminal without requiring any cables or modem, and functions based on IrTA (*infrared* terminal *adapter*) specifications proposed by an NTT-led group and partially used for drafting international *infrared* communications standards at the IrDA (*Infrared* Data Association). (6 refs).

Descriptors

ISDN; optical-communication-equipment; telephone-sets.

Keywords

infrared communication interface; ISDN public telephone; portable terminal; *infrared* terminal *adapter* specifications; NTT; international *infrared* communications standards; *Infrared* Data Association.

Classification codes

B6220F (ISDN and multimedia terminal equipment).

B6220C (Telephone stations).

B6260C (Optical communication equipment).

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Networking with *infrared* technology: white paper.

Accession number & update

5709227, B9711-6210L-060, C9711-5620L-018; 970930.

Author(s)

Willnerd-M.

Source

Proceedings of Portable by Design, Santa Clara, CA, USA, 24-27 March 1997.

Sponsors: Electronic Design.

In: p.324-8, 1997.

Publication year

1997.

Language

EN.

Publication type

CPP Conference Paper.

Treatment codes

P Practical.

Abstract

Portable computers in today's business environment have become a strategic necessity. As portables rapidly complement or displace desktop computers, a new paradigm of working is taking place. Instead of carrying around organizers, diskettes and papers, people are taking it all with them—on their computers. From a meeting down the hall, to a meeting in another continent, this mobility gives companies and people the flexibility to work any time and anywhere, effortlessly and efficiently. Mobile users need an affordable, high speed, secure, reliable access point they can easily connect to without specialized knowledge or equipment. By locating these access points throughout the campus environment, people can have access to the network no matter where they are working. Be it at their desk, in a conference room, or on the production floor. An *infrared network adapter* that allows any *infrared* equipped computer to connect to a network is the answer. It gives mobile users what they need and it is available today. In the paper we discuss what an *infrared network adapter* is, how and why it best meets the criteria mentioned above and some examples of real-world solution. (0 refs).

Descriptors

optical-communication; portable-computers; wireless-LAN.

Keywords

infrared technology; portables; portable computers; *infrared network adapter*; access points.

Classification codes

B6210L (Computer communications).
B6260 (Optical links and equipment).
B6250 (Radio links and equipment).
C5620L (Local area networks).
C5430 (Microcomputers).

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Measuring method of millimeter wave coaxial-to-microstrip adapter.

Accession number & update

5584358, B9706-1320-033; 970520.

Author(s)

Li-Ming-De; Ed. by Liao-F-J; Liu-J-L.

Author affiliation

40th Res Inst, Minist of Electron Ind, China.

Source

ICMWFST'96. 1996 4th International Conference on Millimeter Wave and Far *Infrared* Science and Technology. Proceedings, Beijing, China, 12-15 Aug. 1996.
Sponsors: Chinese Inst. Electron., Texas A&M Univ., IEEE Beijing Sect., China Nat. Committee for URSI, IEEE ED Soc.
In: p.315-18, 1996.

ISSN

ISBN: 0-7803-3619-4.

Publication year

1996.

Language

EN.

Publication type

CPP Conference Paper.

Treatment codes

P Practical; X Experimental.

Abstract

This paper introduces a measuring set consisting of auxiliary connector and matching semi-rigid coaxial cable, for the measurement of 2.92 mm coaxial-to-microstrip *adapter* VSWR. (2 refs).

Descriptors

coaxial-cables; electric-connectors; microstrip-couplers; millimetre-wave-couplers;

millimetre-wave-measurement.

Keywords

coaxial to microstrip *adapter*; measuring set; semi rigid coaxial cable; VSWR; millimeter wave *adapter*; 2.92 mm.

Classification codes

B1320 (Waveguide components).
B7310N (Microwave measurement techniques).
B2180E (Connectors).

Numerical indexing

size: 2.92E-03 m.

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Infrared terminal adapter.

Accession number & update

5419511, B9612-6210L-143, C9612-5630-019; 961112.

Author(s)

Takahashi-H; Sano-Y; Takiyama-M; Iguchi-N.

Source

Anritsu-Technical-Bulletin (Japan), no.72, p.24-9, Sept. 1996. , Published: Anritsu Electr. Co.

CODEN

ANTKAE.

ISSN

ISSN: 0003-5211.

Availability

SICI: 0003-5211(199609)72L:24:ITA; 1-O.

Publication year

1996.

Language

JA.

Publication type

J Journal Paper.

Treatment codes

A Application; P Practical.

Abstract

We have developed an *infrared* (IR) interface *adapter* that conforms to the IRDA standard. The IR interface was designed to conform to the IRCOMM and TinyTP standards introduced in October 1995, and can be used at communications rates of up to 115.2 kbit/s. The *adapter* was designed to be used in combination with a serial port used in existing information terminals, so as to enable connection between the port and the IR interface. For interface with the network, we were able to use a digital terminal connector used in ISDN pay phones at reference point T of the INS NET 64. Consequently, we have proved that through using this *adapter* with the IR interface, it is possible to access the network in a wireless fashion. We have also confirmed that no changes are necessary in the application software currently installed in the portable information terminals. (3 refs).

Descriptors

data-communication-equipment; ISDN; network-interfaces; optical-links; protocols; telecommunication-standards.

Keywords

infrared terminal *adapter*; IR interface *adapter*; IRDA standard; IRCOMM standard; TinyTP standard; serial port; network interfacing; digital terminal connector; ISDN; INS NET 64; PSTN; 115.2 kbit s.

Classification codes

B6210L (Computer communications).
B6260 (Optical links and equipment).
B6220F (ISDN and multimedia terminal equipment).

INSPEC – 1969 to date (INZZ)

B6150M (Protocols).
C5630 (Networking equipment).
C5610N (Network interfaces).
C5640 (Protocols).

Numerical indexing

bit rate: 1.152E+05 bit/s.

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